



DT02 Rec'd PCT/PT 5 NOV 2004 PCT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Petersen et al.  
Serial No.: 10/501289  
Filed: July 12, 2004 Docket: 05799.0154USWO  
Title: A SUPRABASAL BREAST CELL WITH STEM CELL PROPERTIES

**CERTIFICATE UNDER 37 CFR 1.8:**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 3, 2004.

By: Antonette Peters  
Name: Antonette Peters

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**23552**  
PATENT TRADEMARK OFFICE

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Information Disclosure Statement, Form 1449, 12 Reference(s)
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903  
612.332.5300

By: John J. Gresens  
Name: John J. Gresens  
Ref. No.: 33,112  
JJG/acp



Rec'd PCT/PTO

05 NOV 2004

10/501289

PATENT

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Name: Antonette Peters

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

A copy of any foreign patent document or "Other Document" listed on the Form 1449 is enclosed, in accordance with 37 C.F.R. § 1.98(a)(2). Because this application was filed after June 30, 2003, copies of the U.S. Patents and U.S. patent publications listed on the enclosed Form 1449 are not provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

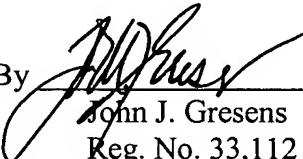
Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.



Respectfully submitted,

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Dated: November 3, 2004

By   
John J. Gresens  
Reg. No. 33,112

JJG/acp

FORM 1449\*

## INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:

05799.0154USWO

Application Number:

10/501289

Applicant: Petersen et al.

Filing Date: July 12, 2004

Group Art Unit:

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,650,317	07/1997	Chang et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Bartek et al. "Efficient Immortalization of Luminal Epithelial Cells from Human Mammary Gland by Introduction of Simian Virus 40 Large Tumor Antigen with a Recombinant Retrovirus". <i>Proc. Natl. Acad. Sci.</i> Vol. 88, pp. 3520-3524, May 1991.
		Gudjonsson et al. "Isolation, Immortalization and Characterization of a Human Breast Epithelial Cell Line with Stem Cell Properties". <i>Genes and Development</i> Vol. 16, pp. 693-706, 2002.
		Gudjonsson et al. "Normal and Tumor-Derived Myoepithelial Cells Differ in their Ability to Interact with Luminal Breast Epithelial Cells for Polarity and Basement Membrane Deposition". <i>Journal of Cell Science</i> Vol. 115, pp. 39-50, October 4, 2001.
		Michel et al. "Keratin 19 as a Biochemical Marker of Skin Stem Cells In Vivo and In Vitro: Keratin 19 Expressing Cells are Differently Localized in Function of Anatomic Sites, and their Number Varies with Donor Age and Culture Stage". <i>Journal of Cell Science</i> Vol. 109, pp. 1017-1028, 1996.
		Nayak et al. "Characterization of Cancer Cell Lines Established from Two Human Metastatic Breast Cancers" <i>In Vitro Cellular &amp; Developmental Biology Animal</i> Vol. 36, No. 3, pp. 188-193, March 2000.
		Péchoux et al. "Human Mammary Luminal Epithelial Cells Contain Progenitors to Myoepithelial Cells". <i>Developmental Biology</i> Vol. 206, pp. 88-99, 1999.
		Slade et al. "The Human Mammary Gland Basement Membrane is Integral to the Polarity of Luminal Epithelial Cells". <i>Experimental Cell Research</i> Vol. 247, pp. 267-278, 1999.
		Smalley et al. "Differentiation of Separated Mouse Mammary Luminal Epithelial and Myoepithelial cells Cultured on EHS Matrix Analyzed by Indirect Immunofluorescence of Cytoskeletal Antigens". <i>The Journal of Histochemistry &amp; Cytochemistry</i> Vol. 47(12), pp. 1513-1524, 1999.
		Smith "Experimental Mammary Epithelial Morphogenesis in an In Vitro Model: Evidence for Distinct Cellular Progenitors of the Ductal and Lobular Phenotype". <i>Breast Cancer Research and Treatment</i> Vol. 39, pp. 21-31, 1996.
		Smith et al. "Mammary Epithelial Stem Cells". <i>Microscopy Research Technique</i> Vol. 52, No. 2, pp. 190-203, January 15, 2001. (Abstract only)
		Stingl et al. "Characterization of Bipotent Mammary Epithelial Progenitor Cells in Normal Adult Human Breast Tissue". <i>Breast Cancer Research and Treatment</i> Vol. 67, pp. 93-109, 2001.
		Stingl et al. "Phenotypic and functional Characterization In Vitro of a Multipotent Epithelial Cell Present in the Normal Adult Human Breast". <i>Differentiation</i> Vol. 63, pp. 201-213, 1998.

EXAMINER

23552

PATENT TRADEMARK OFFICE

DATE CONSIDERED

EXAMINER: Initial if reference is made to the cited document; not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.